UN - 1075

Super I/O Card

User's Guide

FEATURES

- Compatible with IBM* PC AT/XT disk drive systems.
- Support up to two 3½" or 5¼" 360KB/720KB/1.2M/1.44MB FDD.
- Support for up to two embedded HDD (IDE).
- Support two standard RS-232 serial ports, one parallel port, and one game port.
- Jumper select to swap FDD A&B.
- Jumper select parallel port as bidirectional port or output only port.
- First serial port selectable as either COM1, COM3 or COM4.
- Second serial port selectable as wither COM2, COM3 or COM4.
- Parallel port selectable as either LPT1, LPT2, LPT3.
- Serial port interrupt requests selectable as IRQ3, IRQ4, or IRQ5.
- Parallel port interrupt requests selectable as IRQ5 or IRQ7.
- IDE, FDD controller, parallel port, serial ports and game port can be individually disabled.
- Design with Winbond W83757F & W83758P chipset.

* IBM is the trademark of International Business Machines Corp.

CARD LAYOUT

The illustration below will familiarize the user with the layout of the super I/O card and its onboard ports.

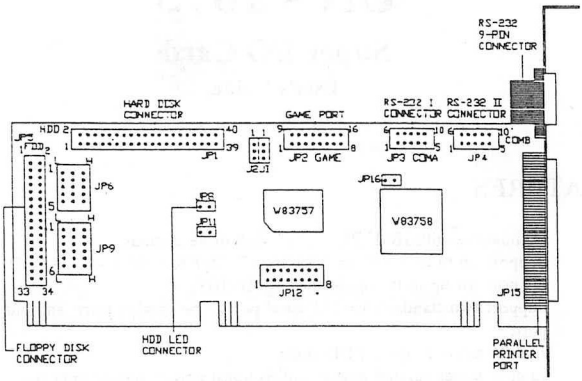


Fig 1 I/O Card Layout

JUMPERS AND CONNECTORS

The following describes the jumpers and connectors of the super I/O card.

JP1 -- This is a 40-pin IDE HDD Port.
JP2 -- This is a 16-pin Game Port.
JP3 -- This is a 10-pin Serial Port (COM1/COM3/COM4).
JP4 -- This is a 10-pin Serial Port (COM2/COM3/COM4).
JP5 -- This is a 34-pin FDD Port.
JP8 -- This is a 2-pin HDD LED Connector.
JP15 -- This is a 25-pin Parallel Port (LPT1/LPT2/LPT3).

JP6 -- This jumper select FDD/HDD Jumper Setting as follow:

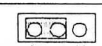
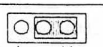
JP6: FDD/HDD JUMPER SETTING		 L H	 L H
JP6-1	FDD A&B CHANGE MODE	NORMAL (DEFAULT)	A&B CHANGE
JP6-2	FDD ADDRESS SELECT	370-377	3F0-3F7 (DEFAULT)
JP6-3	IDE BUS (HDD)	ENABLE (DEFAULT)	DISABLE
JP6-4	HDD ADDRESS SELECT	376,377,170-177	3F5,3F7,1F0-1F7 (DEFAULT)
JP6-5	FDD CONTROLLER	ENABLE (DEFAULT)	DISABLE

Table 1: JP6 - FDD/HDD Jumper Setting

JP9 -- This jumper select Serial/Parallel Port as follow:

JP9: SERIAL/PARALLEL PORT SELECT

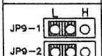
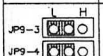
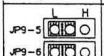
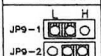
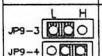
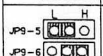
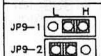
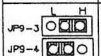
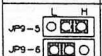
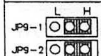
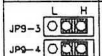
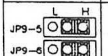
JP9-1, JP9-2	SERIAL PORT I (COMA)	JP9-3, JP9-4	SERIAL PORT II (COMB)	JP9-5, JP9-6	PARALLEL PORT
	COM4 (2E8H)		COM3 (3E8H)		LPT3 (3BCH)
	COM1 (3F8H) (DEFAULT)		COM2 (2F8H) (DEFAULT)		LPT2 (278H)
	COM3 (3E8H)		COM4 (2E8H)		LPT1 (378H) (DEFAULT)
	DISABLE		DISABLE		DISABLE

Table 2: JP9 - SERIAL/PARALLEL Port Select

JP11 -- This jumper enabled the parallel port as bidirectional port when opened, or closed to select the parallel port as output port only.

JP12 -- This jumper select Serial/Parallel Port IRQ Setting as follow:

JP12: SERIAL/PARALLEL PORT IRQ SETTING

JP12-1,2,3	SERIAL I (COMA)	JP12-4,5,6	SERIAL II (COMB)	JP12-7,8	PARALLEL
1 2 3	IRQ4 (DEFAULT)	4 5 6	IRQ3 (DEFAULT)	7 8	IRQ7 (DEFAULT)
1 2 3	IRQ3	4 5 6	IRQ4	7 8	IRQ5
1 2 3	IRQ5	4 5 6	IRQ5		

Table 3: JP12 - SERIAL/PARALLEL Port IRQ Setting

J1 -- This jumper select IDEIOR Path as follow:

J1	SELECT IDEIOR PATH
1 2 3	W83758P -- IOROP (BUFFER)
1 2 3	ATBUS IOR (DEFAULT)

Table 4: J1-Select IDEIOR Path

J2 -- This jumper select IDEIOW Path as follow:

J2	SELECT IDEIOW PATH
1 2 3	W83758P -- IOWOP (BUFFER)
1 2 3	ATBUS IOW (DEFAULT)

Table 5: J2-Select IDEIOW Path

Note: J1 & J2 are for option issue between motherboard and hard disk drive.

JP16 -- This jumper enable the game port when closed, or open to disable it.

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